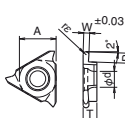
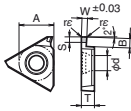


Grooving Inserts

Applicable Inserts

Applicable Inserts														Classification of usage ●: Continuous-Light Interruption / 1st Choice ○: Continuous-Light Interruption / 2nd Choice ●: Continuous / 1st Choice ○: Continuous / 2nd Choice				Reference Page for Toolholder		
				(mm)	P	M	K	N	S	H										
					Carbon Steel / Alloy Steel	Stainless Steel	Cast Iron	Non-ferrous Metals	Titanium Alloy	Hard materials (under 40HRC)	Hard materials (over 40HRC)									
Description	A	T	ød																	
GBA32__	9.525	3.18	4.4																	
GBA43__	12.70	4.76	5.5																	
GBA43 ^R /L 480	12.70	5.00	5.5																	
Insert R-hand shown		Description	(Previous Description)	Dimension (mm)			Cermet			PVD Coated Carbide			Carbide	Applicable Toolholder						
				W	B	re	TC40	TN6020	TN90	PR630	PR930	PR1115	PR905		KW10					
 Full-R Full-R (Round) 		GBA32 ^R / 200-100R	-	2.00	2.5	1.00						R	KGBAR...16 KGBASL...16							
		300-150R		3.00		1.50					R									
		GBA43 ^R / 100-050R	GBA43 ^R / 050R	1.00	2.0	0.50			●	○	●	●	●	●	KGBA ^R /...22-15 KGBAS ^R /...22-15					
		150-075R		1.50	3.5	0.75			●	○	●	●	●	●						
		200-100R		2.00		1.00			●	○	●	●	●	●						
		250-125R		2.50	4.0	1.25			●	○	●	●	●	●		KGBA ^R /...22-25 KGBAS ^R /...22-25 KGBA ^R /...22-25T5 KGBAS ^R /...22-25T5				
		300-150R		3.00		1.50			●	○	●	●	●	●						
		400-200R		200R	4.00	5.0	2.00			●	○	●	●	●		●	KGBA ^R /...22-35 KGBAS ^R /...22-35			

				(mm)	P	M	K	N	S	H	Classification of usage ● Continuous-Light Interruption / 1st Choice ○ Continuous-Light Interruption / 2nd Choice ● Continuous / 1st Choice ● Continuous / 2nd Choice					Reference Page for Toolholder
					Carbon Steel / Alloy Steel	Stainless Steel										
					Cast Iron											
					Non-ferrous Metals			●								
					Titanium Alloy				●							
					Hard materials (under 40HRC)											
					Hard materials (over 40HRC)		○	●								
Description		A	T	ød												
GBA32_		9.525	3.18	4.4												
GBA43_		12.70	4.76	5.5												
GBA43 ^R /480		12.70	5.00	5.5												
Insert R-hand shown		Description	(Previous Description)	Dimension (mm)			CBN			PCD		Applicable Toolholder				
				W	B	rε	KBN10B	KBN510	KBN525	KPD001	KPD010					
 1-Edge	 GBA32 S=1.7 GBA43 S=1.9	GBA32 ^R / 125-010	GBA32 ^R / 125	1.25	2.0	0.1					R	R	KGBAR...16 KGBASL...16	G9 G11 G43		
		150-010	150	1.50							R	R				
		GBA43 ^R / 125-010	GBA43 ^R / 125	1.25	2.0	0.1						●	KGBA ^R /...22-15 KGBAS ^R /...22-15			
		125-020	125	1.25		0.2	●	●	●							
		150-010	150	1.50		0.1				●	●					
		150-020	150	1.50		0.2	●	●	●							
		200-010	200	2.00		0.1				●	●					
		200-020	200	2.00		0.2	●	●	●							
		250-010	250	2.50		0.1				●	●		KGBA ^R /...22-25 KGBAS ^R /...22-25 KGBA ^R /...22-25T5 KGBAS ^R /...22-25T5			
		250-020	250	2.50		0.2	●	●	●							
		300-010	300	3.00		0.1				●	●					
		300-020	300	3.00		0.2	●	●	●							

• Dimension B: shows available grooving depth.

• For KIGBA Internal Grooving Toolholder, See page G43

For recommended cutting conditions, see page G72

GBA applicable for KGBA / KGBAS toolholders are also usable for KGB / KGBS toolholders.

The following is a table for application compatibility.

KGBA	(KGB)
KGBA ^R / ...22-15	KGB ^R / ...22-15
KGBA ^R / ...22-25	KGB ^R / ...22-25
KGBA ^R / ...22-35	KGB ^R / ...22-35
KGBA ^R / ...22-25T5	KGB ^R / ...22-25 (Available grooving depth has a limit)

KGBAS	(KGBS)
KGBAS ^R / ...22-15	KGBS ^R / ...22-15
KGBAS ^R / ...22-25	KGBS ^R / ...22-25
KGBAS ^R / ...22-35	KGBS ^R / ...22-35
KGBAS ^R / ...22-25T5	KGBS ^R / ...22-25 (Available grooving depth has a limit)

• Short shank type is not available for KGB / KGBS.

External Grooving Toolholders KGBA Short Shank types are available

For NC lathe and HSK tooling, KGBAR2020K22-○○ (Overall length 125mm)

short shank type KGBAR2020H22-○○ (Overall length 100mm) is available.

No longer required for the users to cut the shank portion.

Inserts are sold
in 10 piece boxes.

CBN & PCD Inserts are sold
in 1 piece boxes.

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www.kyocera-tools.ru

● : Std. Item ○ : Check Availability
R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)